

ART. XXXIII.—*List of the Insects recorded as having been found in New Zealand previous to the Year 1870.* By Capt. F. W. HUTTON, C.M.Z.S.

[Read before the Otago Institute, 11th November, 1873.]

It is with considerable diffidence that I present the following list to the Otago Institute, for I am well aware that it must contain many errors, both of commission and omission; but as it has had the advantage of being revised and considerably added to by C. M. Wakefield, Esq., it is, I think, as complete and accurate as it can be made in the colony, and it will, I hope, be found useful as a first step towards collecting together descriptions of all the New Zealand Insects.

It contains the following number of species of each order:—Coleoptera, 265; Hymenoptera, 23; Diptera, 98; Neuroptera, 42; Orthoptera, 30; Heteroptera, 22; and Homoptera, 22; making a total of 502 species, but of these 15 are names merely, no description or figure having been published.

A list of the Lepidoptera will, I hope, shortly be published by Mr. R. W. Fereday.*

COLEOPTERA.

CICINDELIDÆ.

- Cicindela tuberculata*, Fabr., Syst. Eleuth, I., 238, 32.
 „ *douei*, Guerin, Mag. de Zool., 1840, t. 45.
 „ *latecincta*, White, Voyage Erebus and Terror, Insects, 1.
 „ *parryi*, White, l.c., 1.
 „ *dunedinensis*, Castelnau, Trans. Roy. Soc. Victoria, 1867, VIII., 35.
 „ *feredayi*, Bates, Ent. M. Mag., 1867, IV., 53.
Distipsidera fasciata, Motschulsky, Bull. Soc. Nat. de Moscou, XXXVII., 174.

CARABIDÆ.

- Cymindis dieffenbachii*, White, l.c., 2; *C. australis*, Blanchard.
Sarothrocrepis binotata, Blanchard, Voy. au Pole Sud, 12.
Demetrida lincella, White, l.c., 2.
 „ *picea*, Chaudoir.
 „ *nasuta*, White, l.c., 2.
Dromirus fossulatus, Blanchard, l.c., t. 3, f. 16.
Actenonyx bembidioides, White, l.c., 2.
Colpodes submetallicus, White, l.c., 2.
Coptodera antipodum, Bates, l.c., 78?
Metaglymma monilifer, Bates, l.c., 78.
 „ *aberrans*, Putzeys, Stett. Ent. Zeit., 1868, 320.
Sphallax peryphoides, Bates, l.c., 56.
Bembidium maorinum, Bates, l.c., 79.
 „ *charile*, Bates, l.c., 79.
Anchomenus elevatus, White, l.c., 3.
 „ *colenisonis*, White, l.c., 3.

* See Art. XXXIV.

- Anchomenus deplanatus*, White, l.c., 3.
 „ *atratus*, Blanchard, l.c., t. 1, f. 15.
 „ *novæ-zealandiæ*, Fairmaire, Ann. Soc. Ent., 1843, 12.
 „ *marginellus*, Erichson, Archiv., 1842, I., 130.
Feronia planiuscula, White, l.c., 3.
 „ *vigil*, White, l.c., 3.
 „ *australasiæ*, Blanchard, l.c., t. 2, f. 13.
 „ *subcænea*, Guerin, Rev. Zool. Cuv., 1841, 122.
 „ *capito*, White, l.c., 4.
 „ *politissima*, White, l.c., 4.
 „ *vagepuncta*, White, l.c., 4.
 „ *elongella*, White, l.c., 4.
 „ *rectangula*, Chaudoir, Bull. Soc. Nat. Moscou, XXXVIII., 74.
 „ *impressifrons*, Chaudoir, l.c., 93.
 „ *reflexa*, Chaudoir, l.c., 94.
 „ *angustula*, Chaudoir, l.c., 101.
 „ *ovatella*, Chaudoir, l.c., 105.
Cerabilia maori, Castelnau, l.c., 202.
Promecoderus lottini, Brullé, Hist. Nat. Insectes, IV., 450.
Pedalopia novæ-zealandiæ, Castelnau, l.c., 154.
Rembus zeelandicus, Redtenbacher, Reise Novara Zool., 10.
Mecodema sculpturatum, Blanchard, l.c., t. 2, f. 14.
 „ *cæreus*, White, l.c., 5.
 „ *alternans*, Castelnau, l.c., p. 75.
 „ *howittii*, Castelnau, l.c., 159.
 „ *rectolineatum*, Castelnau, l.c., 160.
 „ *lucidum*, Castelnau, l.c., 160.
 „ *crenicolle*, Castelnau, l.c., 160.
 „ *simplex*, Castelnau, l.c., 160.
 „ *impressum*, Castelnau, l.c., 161.
 „ *inæquale*, Castelnau, l.c., 162.
 „ *elongatum*, Castelnau, l.c., 162.
 „ *crenaticollis*, Redtenbacher, l.c., 11.
Dicrochile ovicollis, Motschulsky, l.c., 316.
Olisthopus (?) insularis, Motschulsky, l.c., 325.
Clivina rugithorax, Putzeys, l.c., 1866, 37.
Algolus monarchicus, Motschulsky, l.c., 245.
Megadromus viridilimbatus, Motschulsky, l.c., 251.
Calathrus zeelandicus, Redtenbacher, l.c., 17.
Periblepusa elaphroides, Redtenbacher, l.c., 21.
Omaseus sylvaticus, Blanchard, l.c., t. 2, f. 5.
Argutor erythropus, Blanchard, l.c., t. 2, f. 7.
 „ *piceus*, Blanchard, l.c., t. 2, f. 8.
Brosicus carenoides, White, l.c., 4.
Heleotrechus elaphroides, White, l.c., 5.
Oopterus rotundicollis, White, l.c., 6.
Molopsida polita, White, l.c., 6.
Maoria tibialis, Castelnau, l.c., 163.
 „ *punctata*, Castelnau, l.c., 164.
 „ *morio*, Castelnau, l.c., 164.
 „ *clivinoides*, Castelnau, l.c., 164.
 „ *dyschirioides*, Castelnau, l.c., 164.
Brullea antarctica, Castelnau, l.c., 166.

- Harpalus antarcticus*, Castelnau, l.c., 193.
 „ *novæ-zealandiæ*, Castelnau, l.c., 194.
Drimostoma antarctica, Castelnau, l.c., 199.
 „ *striatopunctata*, Castelnau, l.c., 199.

DYTISCIDÆ.

- Onychohydus hookeri*, White, l.c., 6.
Colymbetes notatus, Fabr., Ent. Syst., I., 195, 38.
 „ *rufimanus*, White, l.c., 6.
Eunectes australis, Erichson, l.c., 134.
Gyrinus striolatus, Guerin, Voy. Coquille, 62.

STAPHYLINIDÆ.

- Staphylinus oculus*, Fabr., l.c., II., 251, 10.
 „ *quadri-impressus*, White, l.c., 6.
 „ *puncticeps*, White, l.c., 6.
Lithocharis zealandica, Redtenbacher, l.c., 29.

SCAPHIDIIDÆ.

- Scaphisoma scutellare*, Redtenbacher, l.c., 32.

HISTERIDÆ.

- Saprinus pseudo-cyaneus*, White, l.c., 8.
Hister cinnamomeus, White, l.c., 8.

NITIDULIDÆ.

- Nitidula antarctica*, White, l.c., 8.
 „ *lateralis*, White, l.c., 8.
 „ *abbreviata*, Fabr., l.c., I., 348, 5.

ENGIDÆ.

- Engis politus*, White, l.c., 18.
Biloma insularis, White, l.c., 18.

MYCETOPHAGIDÆ.

- Latridius antipodum*, White, l.c., 18.

TROGOSITIDÆ.

- Trogosita affinis*, White, l.c., 17.
 „ *mauritanica*, L. (Tenebrio).
Leperina nigrosarsa, White, l.c., p. 17 (Gymnocheila).
 „ *sobrina*, White, l.c., 17.
Apate minutus, Fabr., l.c., 54, 4.

COLYDIIDÆ.

- Enarsus bakewelli*, Pascoe, Jour. of Ent., 1866, 445.

CUCUJIDÆ.

- Dendrophagus brevicornis*, White, l.c., 18.
 „ *suturalis*, White, l.c., 18.
 „ *umbrinus*, Smith, Cat. Coleo. Brit. Mus., 12.
Dryocora howitti, Pascoe, Proc. Ent. Soc. London, 1868, p.
Parabrontes sylvanoides, Redtenbacher, l.c., 40.

CRYPTOPHAGIDÆ.

Cryptophagus australis, Redtenbacher, l.c., 42.

DERMESTIDÆ.

Dermestes carnivorus, Fabr., l.c., 55, 2.

„ *navalis*, Fabr., l.c., 56, 9.

„ *limbatus*, Fabr., l.c., 318, 36.

BYRRHIDÆ.

Curimus zeelandicus, Redtenbacher, l.c., 45.

LUCANIDÆ.

Dendroblax earlii, White, l.c., 9.

Dorcus punctulatus, White, l.c., 9.

„ *squamidorsis*, White, l.c., 9.

Lissotes reticulatus,* Westwood, Proc. Ent. Soc., 1844.

Cerathognathus irroratus, Parry, Trans. Ent. Soc., IV., 56.

„ *helotoides*, Thomson.

„ *alboguttatus*, Bates, Ent. Mag., No. 39, p. 55.

Oxyomus exsculptatus, White, l.c., 9.

SCARABÆIDÆ.

Rhisotrogus zeelandicus, White, l.c., 10.

Odontria xanthosticta, White, l.c., 10.

„ *cinnamonea*, White, l.c., 10.

„ *striata*, White, l.c., 10.

Pericoptus truncatus, Fabr., l.c., I, 7, 18.

Eusoma rossii, White, l.c., 10.

Pyronota festiva, Boisduval, Faune de l'Oc., II., 214.

Stethaspis suturalis, Hope, Col. Man., I, 104; *M. chlorophyllus*, Bois.

Cheiroplatys punctatus, White, l.c., 9.

„ *truncatus*, Hope, Col. Man., I, 85.

BUPRESTRIDÆ.

Buprestis eremita, White, l.c., 6.

ELATERIDÆ.

Elater acutipennis, White, l.c., 7.

„ *zeelandicus*, White, l.c., 7.

„ *approximans*, White, l.c., 7.

„ *lineicollis*, White, l.c., 7.

„ *cinctiger*, White, l.c., 7.

„ *lateristrigatis*, White, l.c., 7.

„ *nigellus*, White, l.c., 7.

„ *olivascens*, White, l.c., 7.

„ *strangulatus*, White, l.c., 7.

„ *megops*, White, l.c., 7.

„ *levithorax*, White, l.c., 7.

Ochosternus zeelandicus, Candèze, Mon. Elat., IV., 446; *E. punctithorax*, White.

Acrioniopus grandis, Redtenbacher, l.c., 96.

* *Lucanus antilope* has been erroneously reported as occurring in New Zealand.

CEBRIONIDÆ.

Atopida castanea, White, l.c., 8.

CLERIDÆ.

Opilus violaceus, Klug., Abh. Berl., 1840, 391.

Aulicus pantomelas, Boisduval, Voy. Astrolabe, t. 6, f. 14.

Notoxus porcatus, Fabr., Hope Col. Man., III., 137.

PTINIDÆ.

Anobrium tricastellum, White, l.c., 8.

Ptinus suturalis, White, l.c., 8.

„ *murinus*, White, l.c., 8.

„ *pilosus*, White, l.c., 8.

BOSTRICHIDÆ.

Platypus douei, Chapuis, Mon. Platypides, 1865, 237.

„ *apicalis*, White, l.c., 18.

Lyctus brunneus, Stephens, Brit. Ent., III., 117.

„ *depressiusculus*, White, l.c., 18.

MELASOMATA.

Chaerodes trachyscelides, White, l.c., 12.

Bolitophagus antarcticus, White, l.c., 12.

Pristoderus scaber, Hope, Col. Man., II., 181 and 81.

Adelium harpaloides, White, l.c., 11.

Rygmodes modestus, White, l.c., 11.

„ *pedinoides*, White, l.c., 12.

Uloma nitens, Redtenbacher, l.c., 125.

„ *lævicostata*, Blanchard, l.c., 155.

Titena erichsonii, White, l.c., 12.

„ *interrupta*, Redtenbacher, l.c., 128.

Tanychilus metallicus, White, l.c., 12.

Amarosoma simulans, Redtenbacher, l.c., 132.

Prioscelida tenebrionoides, White, l.c., 11.

Cilibe phosphugoides, White, l.c., 11.

„ *granulosus*, Brême, Man. Cossyph., 39.

„ *elongatus*, Brême, l.c., 38.

Zolodinus zeelandicus, Blanchard, l.c., 160.

Opatrum tuberculicostatum, White, l.c., 11.

„ *lævigatum*, Fabr., l.c., I., 89, 5.

CISTELIDÆ.

Atractus virescens, Boisduval, l.c., 284.

MELANDRYIDÆ.

Nacerdes lineatus, Fabr., l.c., II., 75, 4 (*Dryops*).

Ctenoplectron fasciatum, Redtenbacher, l.c., 137.

Chalcodrya variegata, Redtenbacher, l.c., 138.

MORDELLIDÆ.

Mordella antarctica, White, l.c., 12.

CEDEMERIDÆ.

Selenopalpus strigipennis, White, l.c., 12 (*Dryops*).

- Selenopalpus chalybeus*, White, l.c., 13.
 „ *subviridis*, White, l.c., 13.

CURCULIONIDÆ.

- Brachyolus punctatus*, White, l.c., 13.
Platyomida binodes, White, l.c., 14.
Otiorhynchus griseus, White, l.c., 14.
Rhadinosomus acuminatus, Schonh., Curc., VI., 473.
Hoplocneme cinnamonea, White, l.c., 14.
 „ *hookeri*, White, l.c., 14.
Oropterus coniger, White, l.c., 14.
Scolopterus tetracanthus, White, l.c., 15.
 „ *penicillatus*, White, l.c., 15.
 „ *bidens*, Fabr., Syst. Ent., 136, 51.
Ancistropterus quadrispinosus, White, l.c., 15.
 „ *hochstetteri*, Redtenbacher, l.c., 147.
Psepholax barbifrons, White, l.c., 15.
 „ *sulcatus*, White, Dieff. New Zealand, II., 275.
 „ *coronatus*, White, Voy. Ereb. and Terr., Insects, 15.
Oreda notata, White, l.c., 16.
Aldonus hylobioides, White, l.c., 16.
Euthryrhinus squamiger, White, l.c., 16.
Pentarthrum cylindricum, Wollaston, Trans. Ent. Soc., 2nd Series, V., 398.
Rhynchodes ursus, White, l.c., 16.
 „ *saundersii*, White, l.c., 17.
Stephanorhynchus curvipes, White, l.c., 17.
Curculio modestus, Fabr., Ent. Syst., II., 453, 250.
Euramphus fasciculatus, Shuckard, Ent. Mag., V., 506, t. 18.
Dryophthorus bituberculatus, Schonh., Curc., IV., 1090.
Mecistostylus douei, Lacordaire (1866).
Mitrasthelus baridioides, Redtenbacher, l.c., I., 68.
Paranomocerus spiculus, Redtenbacher, l.c., 169.
Rhinaria sextuberculata, White, l.c., 13.
 „ *tridens*, Fabr., Syst. El., II., 537, 186 (*Curculio*).

ANTHRIBIDÆ.

- Anthrribus incertus*, White, l.c., 13.
 „ *phymatodes*, Redtenbacher, l.c., 174.

BRENTHIDÆ.

- Brentus cylindricornis*, Fabr., Ent. Syst., II., 494, 9.
Lasciorhynchus barbicornis, Fabr., l.c., II., 491, 1 (male); *B. assimilis*, Fabr. (female).

SCOLYTIDÆ.

- Hylastes peregrinus*, Chapuis, Synopsis des Scolytides, 1869, 21.

LONGICORNIA.

- Prionoplus reticularis*, White, Dieff. New Zealand, II., 276.
Phlyctænodes strigipennes, Westwood, Arch. Ent. II., 27 (*Cerambyx*).
 „ *trituberculatus*, Redtenbacher, l.c., 188.
Syllitus suturalis, Olivier (*Cerambyx abbreviatus*, Fabr., Syst. El., II., 275).
Ophryops pallidus, White, Voy. Erebus and Terror, Insects, 19.

- Eburida sublineata*, White, l.c., 19.
 „ *sericea*, Smith, Cat. Coleop. Brit. Mus., 299.
Calliprason sinclairi, White, Dieff. New Zealand, II., 277.
 „ *marginatum*, White, Voy. Erebus and Terror, Insects, 23.
Phoracantha dorsalis, Newman, Ann. Nat. Hist., V., 19.
Brachytria pallida, White; *B. latebrosa*, Newman, Entomol., 95.
Tmesisternus variegatus, Fabr., Ent. Syst., II., 325, 32 (*C. vitticolle*, Newman).
Navomorpha sulcata, Fabr., Ent. Syst., II., 326, 34 (*Callidium*).
 „ *lineata*, Fabr., Ent. Syst., II., 325, 33 (*Callidium*).
 „ *acutipennis*, White, l.c., 20 (*Coptomma*).
Ceropogon (?) *diversicome*, White, l.c., 20.
Obrium fabricianum, Westwood, Arch. Ent., II., 28 (*Callidium minutum*, Fabr.).
 „ *guttigerum*, Westwood, l.c., II., 28.
Æmona villosa, Fabr., Ent. Syst. El., 320, 13 (*Saperda*).
 „ *humilis*, Newman, Ent., 8.
 „ *tristis*, Fabr., l.c., 186, 11 (*Saperda*).
 „ *zealandica*, Blanchard, Voy. Pole Sud, IV., 272.
Tetrorea cilipes, White, l.c., 21.
Diastamerus tomentosus, Redtenbacher, l.c., 177.
Tympanopalpus dorsalis, Redtenbacher, l.c., 180.
Blosyropus spinosus, Redtenbacher, l.c., 188.
Phlyctænodes retiferus, Lacordaire, Gen. des Coléoptères.
Pogonocherus crista, Fabr., l.c., II., 268, 6 (*Lamia*).
Lamia flavipes, White, l.c., 21.
Hexatricha heteromorpha, Boisdual, l.c., 21 (*Xylotoles*).
 „ *pulverulenta*, Westwood, Arc. Ent., II., 86 (*Lamia*).
Psilomorpha tenuipes, Saunders, Trans. Ent. Soc. London, 1850, 80.
Agapanthida pulchella, White, l.c., 22.
Dorcadida bilocularis, White, l.c., 22.
Xylotoles griseus, Westwood, l.c., II., 27.
 „ *subpinguis*, White, l.c., 22.
 „ *gracilis*, White, l.c., 22.
 „ *parvulus*, White, l.c., 22.
 „ *bimaculatus*, White, l.c., 22.
 „ *lynceus*, Fabr., l.c., II., 313, 27.
 „ *letus*, White, l.c., 22.
Parmena antarctica, White, l.c., 22.

PHYTOPHAGA.

- Colaspis brunnea*, Fabr., l.c., II., 323, 75.
 „ *pallidipennis*, White, l.c., 23.

COCCINELLIDÆ.

- Coccinella tasmanii*, White, l.c., 23.

HYMENOPTERA.

ANTHOPHILA.

- Leioproctus imitatus*, Smith, Cat. Hymen. Brit. Mus., 9.
Lamprocolletes obscurus, Smith, l.c., 11.
Dasycolletes metallicus, Smith, l.c., 15.
 „ *purpureus*, Smith, l.c., 15.

- Halictus sordidus*, Smith, l.c., 56.
Prosopis vicina, Sichel, Reise Novara, Zool., II., 143.

POMPIDIDÆ.

- Pompilus fugax*, Fabr.; Smith, l.c., 163.
 „ *monarchus*, White; Smith, l.c., 164.

CRABRONIDÆ.

- Tachytes nigerrimus*, White; Smith, l.c., 307.
 „ *depressus*, Saussure, Reise Novara, Zool., II., 70.
Pison morosus, White; Smith, l.c., 317.
 „ *tuberculatus*, Smith, Trans. Ent. Soc., 1869, 297.
Gorytes carbonarius, Smith, l.c., 366.
Sphex fugax, Fabr., Syst. Ent., 350, 27.

MUTILLIDÆ.

- Rhaphigaster novaræ*, Saussure, l.c., 112.

FORMICIDÆ.

- Ponera castanea*, Mayr., Reise Novara, Zool., II., 69.
Orectognathus atennatus, Smith, l.c., 161.
Atta antarctica, White; Smith, l.c., 167.
Monomorium fulvum, Mayr., l.c., 93.

ICHNEUMONIDÆ.

- Ichneumon lotatorius*, Fabr., l.c., 330, 16.
 „ *solicitorius*, Fabr., l.c., 332, 30.
 „ *decoratorius*, Fabr., l.c., 333, 32.
 „ (?) *luteus*, Fabr., l.c., 341, 75.

DIPTERA.

MYCETOPHILIDÆ.

- Rhyphus phaleratus*, White, Voy. Erebus and Terror (not described).
 „ *neozealandicus*, Schiner, Reise Novara, Zool., II., 49.

BIBIONIDÆ.

- Bibio nigrostigma*, Walker, Cat. Dip. Brit. Mus., 121.
 „ *ruficoxis*, Macquart, Dipt. Exot., Sup., IV., 17, 11.

SIMULIDÆ.

- Simulia cæcutiens*, White, l.c. (not described).
 „ *australensis*, Schiner, l.c., 15.

CULICIDÆ.

- Culex argyropus*, Walker, l.c., 2.
 „ *iracundus*, Walker, l.c., 6.
 „ *acer*, Walker, l.c., 8.

TIPULIDÆ.

- Limnobia gracilis*, Haliday, Voy. Erebus and Terror (not described).
 „ *chorica*, Haliday, l.c. (not described).
 „ *ægrotans*, Haliday, l.c. (not described).
 „ *tessellata*, Haliday, l.c. (not described).

- „ *repanda*, Haliday, l.c. (not described).
 „ *fumipennis*, White, l.c. (not described).
 „ *conveniens*, Walker, l.c., 57.
 „ *vicarians*, Schiner, l.c., 46.
Tipula senex, White, l.c. (not described).
 „ *dux*, White, l.c. (not described).
 „ *clara*, White, l.c. (not described).
 „ *obscuripinnis*, White, l.c. (not described).
 „ *novaræ*, Schiner, l.c., 37.
Cloniophora subfasciata, Walker, l.c., 74.

STRATIOMYDÆ.

- Stratiomys dorsalis*, Walker, l.c., 536.
 „ *angusta*, Walker, l.c., Sup., 57.
Odontomyia chloris, Walker, l.c., Sup., 57.
 „ *australensis*, Schiner, l.c., 59.
Clitellaria aberrans, Schiner, l.c., 54.

XYLOPHAGIDÆ.

- Diphysa apicalis*, Walker, l.c., 1151.
 „ *spiniger*, Weid; *Beris servillei*, Macq., Dipt. Ent., I., 1, 172.
Beris substituta, Walker, l.c., Sup., 12.
Actina opposita, Walker, l.c., Sup., 13.

TABANIDÆ.

- Pangonia lerda*, White, l.c. (not described).
 „ *adrel*, White, l.c. (not described).
Tabanus sarpa, Walker, l.c., Sup., 255.
 „ *truncatus*, Walker, l.c., Sup., 255.
 „ *oplus*, White, l.c. (not described).
 „ *impar*, Walker, Zool., VIII., Ap., LXXI.
 „ *sordidus*, Walker, Cat. Dipt. Brit. Mus., Sup., 256.
 „ *transversus*, Walker, l.c., Sup., 256.
Palecorhynchus ornatus, Schiner, l.c., 98.

THEREVIDÆ.

- Thereva bilineata*, Fabr., Ent. Syst., 757, 3.
Anabarhynchus luridus, Schiner, l.c., 148.

MIDASIDÆ.

- Midas macquarti*, Schiner; *M. clavatus*, Macq., l.c., Sup., IV., 59, 7.

ASILIDÆ.

- Dasypogon viduus*, Walker, l.c., 354.
 „ *discus*, Walker, l.c., 358.
Asilus varius, Walker, l.c., 457.
 „ *bulbus*, Walker, l.c., 465.
 „ *lascus*, Walker, l.c., 466.
Saropogon antipodus, Schiner, l.c., 166.
Itamus melanopogon, Schiner, l.c., 190.

DOLICHOPIDÆ.

- Psilopus gemmatus*, Walker, l.c., 647.
Stomoxys ænos, Walker, l.c., 1160.

SYRPHIDÆ.

- Milesia bilineata*, Walker, l.c., 566.
Syrphus novæ-zealandiæ, Macq., l.c., Sup., V., 95, 57.
 „ *ortas*, Walker, l.c., 585.
 „ *ropalus*, Walker, l.c., 593.
Helophilus trilineatus, Fabr. (?), l.c., 766, 16.
 „ *inaptus*, Walker, l.c., 608.
 „ *latifrons*, Schiner, l.c., 359.
 „ *antipodus*, Schiner, l.c., 359.
Eristalis cingulatus, Fabr., l.c., 767, 23.

MUSCIDÆ.

- Aricia melas*, Schiner, l.c., 302.
Limnia transmarina, Schiner, l.c., 234.
Sapromyza decora, Schiner, l.c., 277.
 „ *sciomyzina*, Schiner, l.c., 278.
 „ *dichromata*, Walker, l.c., 988.
Tetanocera sigma, Walker, l.c., 1084.
Opomyza apicalis, Walker, l.c., 1114.
Tachina zebica, Walker, l.c., 711.
 „ *oratus*, Walker, l.c., 741.
 „ *mestor*, Walker, l.c., 741.
 „ *sosilus*, Walker, l.c., 796.
Musca quadrimaculata, Swed., Stock. Nya. Handl., VIII., 289, 49.
 „ *hortona*, Walker, l.c., 894.
 „ *icela*, Walker, l.c., 897.
 „ *taitensis*, Macq., l.c., II., 3, 153, 7.
 „ *læmica*, White, Dieff. New Zealand, II., p. 291.
Cænosia spinipes, Walker, l.c., 969.
Dexia rubricarinata, Macq., l.c., Sup., I., 187, 5.
Bothrophora zelebori, Schiner, l.c., 317.
Rutilia leucostica, Schiner, l.c., 319.
 „ *pellucens*, Macq., l.c., Sup., I., 177, 6.
Chlorogaster rufipes, Schiner, l.c., 323.
Demoticus australensis, Schiner, l.c., 325.
Hystricia orientalis, Schiner, l.c., 331.
Idia murina, Schiner, l.c., 309.
Cyrtoneura stabulans, Fallen, Muscid., 52, 32 ; Schiner, l.c., 304.
Lamprogaster cærulea, Macq., l.c., Sup., I., 212.
 „ *strigipennis*, Macq., l.c., Sup., IV., 290.
Calliphora dasyophthalma, Macq., l.c., II., 3, 130, 8.
 „ *aureopunctata*, Macq., l.c., Sup., V., 110, 31.
 „ *aureonotata*, Macq., l.c., Sup., V., 115, 3.
Amenia leonina, Fabr., Syst. Ent., 776, 12.
 „ *parva*, Schiner, l.c., 316.
Micropalpus brevigaster, Macq., l.c., Sup., I., 149, 6.
Microtropesa sinuata, Donovan ; Macq., l.c., Sup., I., 186, 1.

HIPPOBOSCIDÆ.

- Orthinomyia opposita*, Walker, l.c., 1145.

NEUROPTERA.

TRICHOPTERA.

- Tetracentron sarothropus*, Brauer, Ver. Zool. Bot. Geo. Wien, XV., 418.

- Tetracentron amabile*, M'Lachlan, Jour. Lin. Soc., Zool., 1868, 201.
Olinx feredayi, M'Lachlan, l.c., 198.
Hydrobiosis frater, M'Lachlan, l.c., 207.
 „ *umbripennis*, M'Lachlan, l.c., 208.
Setodes unicolor, M'Lachlan, l.c., 203.
Polycentropus puerilis, M'Lachlan, l.c., 204.
Pycnocentria funerea, M'Lachlan, Ent. Trans., 3rd Series, V., 252.
 „ *evecta*, M'Lachlan, Jour. Lin. Soc., Zool., 1868, 200.
 „ *aureola*, M'Lachlan, l.c., 200.
Leptocerus (?) *alienus*, M'Lachlan, l.c., 202.
Psilochorema mimicum, M'Lachlan, Trans. Ent. Soc., 1866, 309.
 „ *confusum*, M'Lachlan, Jour. Lin. Soc., 1868, 210.
Philanisus plebeius, Walker, l.c., 116; *Anomalostoma alloneura*, Brauer.
Hydroptila albiceps, M'Lachlan, Trans. Ent. Soc., 1862, 304.
Oconesus maori, M'Lachlan, Trans. Ent. Soc., 1862, 303.
Pseudonema obsoletum, M'Lachlan, l.c., 305.
Notanatolica cognata, M'Lachlan, l.c., 306.
 „ *cephalotus*, Walker (*Leptocerus*), Cat. Brit. Mus., 73.
Hydropsyche fimbriata, M'Lachlan, l.c., 309.
 „ *colonica*, M'Lachlan, Jour. Lin. Soc., 1869, 131.

PLANIPENNIA.

- Chauliodes diversus*, Walker, l.c., 205 (*Hermes*).
Myrmeleon acutus, Walker, l.c., 377.
Stenosmylus incisus, M'Lachlan, Jour. Ent., II., p. 112.
Depanopteryx instabilis, M'Lachlan, l.c., p. 115.
 „ *humilis*, M'Lachlan, l.c., p. 116.
Micromus tasmaniae, Walker, Trans. Ent. Soc. London, 2nd Series, V., p. 186.

TERMITIDÆ.

- Calotermes insularis*, Hagen; Walker, l.c., 521, Sup., 6.
 „ *improbis*, Hagen; Brauer, Reise Novara, 45.
Stolotermes ruficeps, Brauer, l.c., 977.

PERLIDÆ.

- Stenoperla prasina*, Newman, "Zoologist," 1845, p. 853 (*Chloroperla*);
 Walker, l.c., II., p. 206 (*Hermes*).
Perla (?) *cyrene*, Newman, l.c., 853.
Leptoperla opposita, Walker, l.c., 171 (*Perla*).

EPHEMERIDÆ.

- Coloburus humeralis*, Walker, l.c., 552 (*Palingenia*).
Betis remota, Walker, l.c., 564.
 „ *scita*, Walker, l.c., 570.

ODONTATA.

- Cordulia smithii*, White, Voy. Ereb. and Terror, Pl. 6, f. 2 (no description); *C. novæ-zealandia*, Brauer.
Æschna brevistyla, Rambur, Hist. Névropt., p. 205.
Uropetalia carovei, White, Dieff. New Zealand, II., 281 (*Pentalura*).
Lestes colenisonis, White, Ereb. and Terr., Pl. 6, f. 3 (*Agrion*; no description).
Epitheca grayi, Selys, Syn. Cordulines, p. 49.
 „ *braueri*, Selys, Syn. Cordulines, p. 50.

ORTHOPTERA.

FORFICULARIDÆ.

Forficula littorea, White, Voy. Erebus and Terror, Insects, p. 24.

BLATTIDÆ.

Polyzosteria novæ-zealandiæ, Watt, Blatt., 218.

PHASMIDÆ.

Bacillus hookeri, White, l.c., 24 (*Phasma*).

„ *gerhardii*, Kaup., Proc. Zool. Soc., 1866, 577.

„ *geisovii*, Kaup., l.c., 577.

Acanthoderus horridus, White, l.c., 24 (*Phasma*).

„ *spiniger*, White, l.c., 24 (*Phasma*).

„ *prasinus*, Westwood, Gray's *Phasmidæ*, 49.

Pachymorpha hystricula, Westwood, Cat. Orth. Insects, Pt. I., p. 16.

LOCUSTIDÆ.

Hemideina heteracantha, White, Gray's Zool. Misc., 1842, 78 (*Deinacrida*).

„ *thoracica*, White, Voy. Erebus and Terr., Pl. 5, f. 2 (*Deinacrida*).

„ *megacephala*, Buller, "Zoologist," 1867, 850 (*Deinacrida*).

„ *capitolina*, Walker, Cat. Locustidæ, p.

„ *abbreviata*, Walker, l.c., p.

„ *producta*, Walker, l.c., p.

„ *tibialis*, Walker, l.c., p.

Hadenæcus edwardsi, Scudder, Proc. Bost. Soc. Nat. Hist., XII., 408.

Ceuthophilus lanceolatus, Walker, l.c., 204.

Macropathus filifer, Walker, l.c., 206.

„ *fascifer*, Walker, l.c., 207.

„ *altus*, Walker, l.c., 208.

Libanasa maculifrons, Walker, l.c., 209.

Hyperomala speciosa, Thunb., Nov. Ins. Sp., V., 286.

Decticus semivittatus, Walker, Cat. Derm. Salt., Pt. II., 263.

Xiphidium maoricum, Walker, l.c., Pt. II., 276.

Agræcia solida, Walker, l.c., Pt. II., 295.

ACRIDIDÆ.

Pachytylus cinerascens, Fabr., Ent. Syst., 59.

GRYLLIDÆ.

Gryllotalpa africana, Pal. Beauv., Ins., 229; Walker, l.c., Pt. VI., p. 4.

Gryllus fuliginosus, Serv., Hist. Orth., 334; Walker, l.c., Pt. VI., p. 42.

Scleropterus maoricus, Walker, l.c., VI., 74.

HETEROPTERA.

PACHYCORIDÆ.

Callidea imperialis, Dallas, Cat. Hemipt. Brit. Mus., 24.

ASOPIDÆ.

Arma schellenbergii, Guer., Voy. Coquille, Zool., II., 166.

Pettophora picta, Guer., l.c., 165.

Cermatulus nasalis, Hope, Cat., 32.

CYDNIDÆ.

Eithus leptospermi, Dallas, l.c., 119.

SCIOCORIDÆ.

Dictyotus polysticticus, Dallas, l.c., 141.

HALIDIDÆ.

Platycoris immarginatus, Dallas, l.c., 154.

PENTATOMIDÆ.

Pentatoma vilis, Walker, Cat. Hemipt. Het., Pt. II., 309.

Rhombocoris similis, Mayr., Verh. Zool. Bot. Gess. Wien, XIV., 912
(*Rhopalimorpha*).

Rhaphigaster prasinus, Walker, l.c., 354.

„ *amoyti*, Dallas, l.c., 278.

„ *pentatomoides*, Walker, l.c., 370.

„ *perfectus*, Walker, l.c., 371.

Rhopalimorpha obscura, Dallas, l.c., 293.

Acanthosoma vittata, Fabr., Ent. Syst., IV., 104, 96.

LYGÆIDÆ.

Lygæus pacificus, Boisduval, Voy. Astrolabe, II., 639.

„ *ruficollis*, Walker, l.c., 65.

Nysius zealandicus, Dallas, l.c., 552.

Plociomerus nigriceps, Dallas, l.c., 577.

Rhyparochromus inornatus, Walker, l.c., 112.

MEMBRANACEA.

Neuroctenus hochstetteri, Mayr., Reise Novara, Zool., II., 166.

REDUVIINÆ.

Reduvius ephippiger, White, Dieff. New Zealand, II., 283.

HOMOPTERA.

STRIDULANTIA.

Cicada cingulata, Fabr., Ent. Syst., IV., 21, 17; Olivier, Enc. Meth., V., 752; Fabr., 680, 9.

„ *zealandica*, Boisduval, Voy. Astrolabe, 611.

„ *sericea*, Walker, Cat. Hom. Brit. Mus., 169.

„ *muta*, Fabr., l.c., 681, 17.

„ *arche*, Walker, l.c., 195.

„ *cincta*, Walker, l.c., 204.

„ *nervosa*, Walker, l.c., 213.

„ *rosea*, Walker, l.c., 220.

„ *indivisula*, Walker, l.c., Sup., 33.

„ *bilinea*, Walker, l.c., Sup., 34.

„ *ochrina*, Walker, l.c., Sup., 34.

„ *cruentata*, Fabr., l.c., 680, 10.

FULGORIDÆ.

Cixius oppositus, Walker, l.c., 345.

„ *punctimargo*, Walker, l.c., Sup., 81.

„ *finitimus*, Walker, l.c., Sup., 81.

- Cixius marginalis*, Walker, l.c., Sup., 82.
 „ *interior*, Walker, l.c., Sup., 82.
 „ *apsilus*, Walker, l.c., Sup., 83.
 „ *rufifrons*, Walker, l.c., Sup., 83.

CICADELLINA.

- Ptyelus fignens*, Walker, l.c., 718.
 „ *trimaculatus*, White, *Ereb. and Terror* (not published).

ART. XXXIV.—List of the Lepidoptera recorded as having been found in New Zealand previous to the Year 1871. By R. W. FEREDAY, C.M.E.S.L.

In this arrangement of the New Zealand Lepidoptera I have followed the catalogue prepared for the British Museum by Mr. Butler, “with the view of identifying the species of Diurnal Lepidoptera described by Fabricius by a comparison with the original type specimens, drawings, etc., of referring them to modern genera, and of adding some recent synonyma.” The title of the catalogue is “Catalogue of the Diurnal Lepidoptera, described by Fabricius, in the Collection of the British Museum, by Arthur Gardiner Butler, F.L.S., F.Z.S., etc., (1869).”

Order LEPIDOPTERA, Linnæus.

Section RHOPALOCERA, Boisduval.

Family NYMPHALIDÆ, Westwood.

Sub-family SATYRINÆ, Bates.

Argyrophenega, Doubleday.

antipodum, E. Doubleday, *Ann. and Mag. N.H.*, XVI., 307.

The genus *Argyrophenega* is not included in the above catalogue, but is placed in this position in “*Cat. Diurnal Lepid. of the Family Satyridæ in the British Museum*,” prepared by Butler for the British Museum, 1868.

Sub-family NYMPHALINÆ, Bates.

Group NYMPHALIDES, Butler.

Pyrameis, Hübner.

cardui, Linn.

gonerilla, Fabr., *Syst. Ent.*, 498, 237.

itea, Fabr., l.c., 498, 238.

Diadema, Boisduval.

bolina, Linn.

This species is identical (according to Butler) with *auge*, Cramer, and to the Linnæan name he therefore properly gives precedence.

Sub-family HELICONINÆ, Bates.

Hamadryas, Boisduval.

zoilus, Fabr., l.c., 480, n. 163 (1775); *Ent. Syst.*, III., 42, n. 128 (1793).